Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/29/2017 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124495	-1	1.48	124368	1.48
Blue	F	SSC	125000	122962	-2	2.90	123279	2.61
Blue	E	FITC	21625	21020	-3	2.36	936	10.32
Blue	D	PE	26832	26518	-2	1.96	951	9.33
Blue	B	PerCP-Cy5-5	48027	47337	-2	3.30	1358	16.84
Blue	A	PE-Cy7	40971	40561	-2	4.96	622	34.53
Red	C	APC	49746	48958	-2	2.82	2826	9.31
Red	A	APC-Cy7	53615	52728	-2	2.83	1089	11.09
Violet	B	V450	14488	13678	-6	5.32	656	9.51
Violet	A	V500	55123	53430	-4	5.17	2364	7.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18967	4.92	605	7	N/A	N/A	Pass
Blue	F	SSC	61184	1.47	535	1	N/A	N/A	Pass
Blue	E	FITC	105	39.41	535	-1	0.0204	174	Pass
Blue	D	PE	208	28.33	531	0	0.1850	280	Pass
Blue	B	PerCP-Cy5-5	211	44.76	627	-2	0.0102	87	Pass
Blue	A	PE-Cy7	70	114.69	677	-4	0.0127	18	Pass
Red	C	APC	330	27.28	588	-6	0.0212	81	Pass
Red	A	APC-Cy7	119	41.34	572	-8	0.0059	2011	Pass
Violet	B	V450	79	43.99	467	-4	0.0538	2574	Pass
Violet	A	V500	171	25.72	493	-3	0.0157	1358	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.40	-31.09	0.88
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.35	13.27 - 19.91	N/A	N/A	31.31	31.59	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 13072

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments